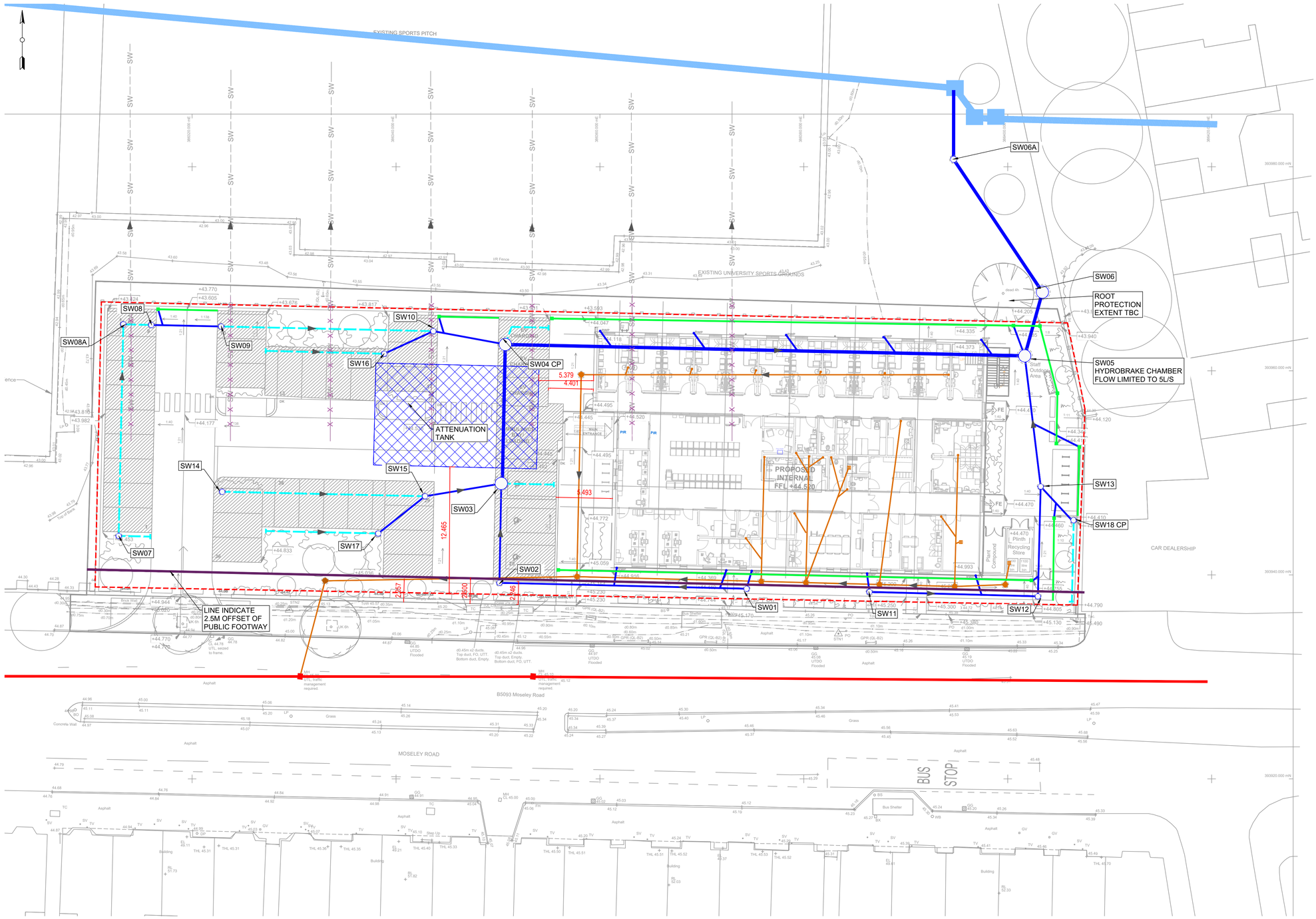

GENERAL NOTES:

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DESIGN BASED ON TOPOGRAPHICAL SURVEY AND CCTV SURVEY INFORMATION AVAABLE AT THE TIME OF DESIGN.
3. DO NOT SCALE THIS DRAWING. ALL DETAS AND DIMENSIONS ARE TO BE CHECKED BY THE CONTRACTOR. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
4. ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.

KEY

- SITE BOUNDARY
- EXISTING COMBINED PUBLIC SEWER
- EXISTING CULVERTED WATERCOURSE
- PROPOSED FOUL DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED PERFORATED PIPE
- PROPOSED CHANNEL DRAIN
- INDICATIVE LOCATION OF EXISTING LAND DRAINS BASED ON DRAWING PROVIDE BY UNIVERSITY
- PROPOSED UNDERGROUND ATTENUATION STORAGE
- PROPOSED PERMEABLE ASPHALT

DESIGN PHOSOPHY

SURFACE WATER DESIGN
THE DESIGN PROVIDES CAPACITY UP TO THE 100 YEAR + 45% IMATE CHANGE EVENT
SW FLOW RATE: 5 l/s (FLOW CALCULATED BASED ON GREENFIELD RUNOFF RATE, INCREASED TO ACHIEVE MINIMUM ORIFICE SIZE TO PREVENT BLOCKAGES)

ATTENUATION
APPROXIMATE STORAGE REQUIREMENT:118m^3 PROVIDED WITHIN CELLULAR STORAGE.
ADDITIONAL STORAGE PROVIDED WITHIN PERMEABLE PAVING AREAS

OUTFALL:
SITE DISCHARGES TO THE EXISTING 1200Ø WATERCOURSE IN THE UNIVERSITY GROUNDS.

LAND DRAINAGE CONSENT IS REQUIRED FROM THE LLFA FOR THE CONNECTION TO THE WATERCOURSE

SURCHARGED OUTFALL LEVEL TAKEN AS 43.43(1M ABOVE SOFFIT LEVEL) - IN 1:30 STORM EVENT, AS CONFIRMED BY LLFA

PERMISSION REQUIRED FROM UNIVERSITY FOR THE CONNECTION TO THE WATERCOURSE

POLLUTION TREATMENT/ SUSTAINABLE DRAINAGE:
THE CAR PARK DRAINAGE IS SERVED BY PERMEABLE PAVING AREAS.
INFTRATION IS NOT CONSIDERED APPROPRIATE FOR THIS SCHEME.

FOUL WATER DESIGN

THE PEAK FLOW RATE HAS BEEN CALCULATED AS 1.7 l/s, BASED ON AN ESTIMATED TOTAL OF 12.2 DISCHARGE UNITS. FINAL DISCHARGE UINIT LOADING TBHC BY MEP ENGINEER.

OUTFALL:
SITE DISCHARGES TO THE EXISTING COMBINED SEWER IN MOSELEY ROAD AT MANHOLE UU2902.

THE DETA OF THE CONNECTION WL NEED TO BE AGREED WITH UU DUE TO THE DEPTH OF THE SEWER AT THIS LOCATION.

A S106 AGREEMENT IS REQUIRED WITH UNITED UTITIES:

PART 1 BY CURTINS
PART 2 ASSUMED NOT REQUIRED AS CONNECTION IS INDIRECT.

LEVELS INDICATE THAT PUMPING WL NOT BE REQUIRED.

DRAWING BASED ON:

TOPOGRAPHICAL SURVEY
74193MCUG-01 TOPOGRAPHICAL & GPR SURVEY DATED MARCH 2025
LAYER SURVEY TOPOGRAPHICAL SURVEY JULY 25

CCTV SURVEY
- S26205 CCTV SURVEY BY SEP DATED MAY/ AUGUST 25

ARCHITECT'S PLANS
- MCNMC-GDA-V1-S1-DR-A-1002 P07 PROPOSED SITE PLAN
- HMCNMC-GDA-V1-00-DR-A-1010 P07 PROPOSED GROUND FLOOR PLAN

STRUCTURAL PLANS
- 087546-CUR-XX-FN-D-S-16001 P02 FOUNDATION GA
- 087546-CUR-XX-FN-D-S-16100 P02 SITE RETAINING WALL GA

SITE INVESTIGATION
- 087546-CUR-XX-XX-T-GE-00002 P01 PHASE 1 PRELIMINARY RISK ASSESSMENT.

1:200 0 5m 10m 15m 20m
1:1 0 10 20 30 40 50 60 70 80 90 100

Rev:	Description:	Date:	By:	Chkd:
P01	ISSUED FOR INFORMATION	15/10/25	MW	MW

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Status: SUITABLE FOR AUTHORIZATION S4

Project: HAWTHORN MEDICAL CENTRE

Drg Title: EASEMENTS

Drawn By	Designed By	Checked By
MW	MW	MW
	Date 28/04/25	Scales @ A1 1:200

Project No - Originator - Function - Spatial - Form - Discipline - Number: HMCNMC - CUR - ZZ - 00 - DR- C - 92503

Revision: P01

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